

PATENT
2815-0127P

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: Thomas J. Jentsch Conf.: 9782
Appl. No.: 09/492,361 Group: 1646
Filed: January 27, 2000 Examiner: MURPHY, Joseph F.
For: NOVEL POTASSIUM CHANNELS AND GENES
ENCODING THESE POTASSIUM CHANNELS

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REPLY UNDER 37 C.F.R. § 1.111

TECH CENTER 1600/2900

Assistant Commissioner for Patents
Washington, DC 20231

February 21, 2003

Sir:

In response to the Examiner's Office Action issued October 21, 2002, the period for reply having been extended by one (1) month to February 21, 2003, the following amendments and remarks are respectfully submitted in connection with the above-identified application.

IN THE CLAIMS:

Please amend the following claims:

1. (Four Amended) An isolated polynucleotide having a nucleic acid sequence which is capable of hybridizing under high stringency conditions with the polynucleotide sequence of SEQ ID NO: 1, or its complementary strand, wherein said hybridizing occurs in a solution of 5 X SSC, 5 X Denhardt's solution, 0.5% SDS and 100 µg/ml of denatured sonicated salmon sperm DNA for 12 hours at